

In the Claims:

Please amend claims 1, 12 and 21 as follows:

1. (Currently amended) A circular saw comprising:

a housing;

a motor disposed within said housing and configured for rotating a circular saw blade rotatably driven by said motor;

a foot; and

a saw blade ~~depth~~—adjustment detent mechanism pivotally interconnecting said foot to said housing such that the circular saw blade is adjustable to said foot through a range of saw blade ~~depths~~ positions relative to said foot, said saw blade ~~depth~~ adjustment detent mechanism including a saw blade ~~depth~~—detent biased toward a second member having a plurality of spaced saw blade ~~depth~~—recesses, each recess ~~being engageable with~~ having diverging angled surfaces for releasably engaging said saw blade ~~depth~~—detent while permitting disengagement of said detent from a recess responsive to pivotal movement of said foot relative to said detent to resist vertical movement of said depth—detent mechanism in either direction and thereby to provide a plurality of predetermined saw blade ~~depth~~ position settings within said range of saw blade ~~depths~~ positions.

2. (Original) The circular saw of claim 1 further comprising a bevel angle adjustment detent mechanism pivotally interconnecting said foot to said housing such that the circular saw blade is adjustable to said foot through a range of bevel angles.

3. (Original) The circular saw of claim 2 wherein said bevel angle adjustment detent mechanism including a detent holding assembly carrying a bevel angle detent and an arcuate member defining a plurality of spaced bevel angle recesses each matingly engageable with said bevel angle detent to provide predetermined bevel angle settings within said range of bevel angles.

4. (Withdrawn) The circular saw of claim 1 further comprising a spring for biasing said saw blade depth detent against said second member.

5. (Withdrawn) The circular saw of claim 4 further comprising:  
a bracket connected to said housing;  
a bolt connected to said bracket and having multiple spring attachment positions for an end of said spring to provide a range of spring tensions for biasing said saw blade depth adjustment detent mechanism against said bracket.

6. (Withdrawn) The circular saw of claim 1 wherein said saw blade depth detent has a ridge configured for engaging said plurality of spaced saw blade depth recesses.

7. (Withdrawn) The circular saw of claim 1 wherein said saw blade depth detent is formed of a plastic material.

8. (Withdrawn) The circular saw of claim 1 further comprising a locking lever generally perpendicular to an axis of rotation of the circular saw blade and configured for locking the saw blade in a fixed position relative to said foot.

9. (Withdrawn) The circular saw of claim 4 wherein said spring has a first end engaging said saw blade depth detent and a second end engaging a bolt passing through said saw blade depth detent and fixed to said housing.

10. (Withdrawn) The circular saw of claim 1 wherein said second member is a depth of cut bracket mounted to said foot.

11. (Withdrawn) The circular saw of claim 10 wherein said plurality of recesses are V-shaped and positioned relative to one another at one of 1/8 inch, 1/4 inch, and 1/2 inch spaced intervals on said depth of cut bracket.

12. (Currently amended) A circular saw comprising:

a housing;

a motor disposed within said housing and configured for rotating a circular saw blade rotatably driven by said motor;

a foot;

a bevel angle adjustment detent mechanism pivotally interconnecting said foot to said housing such that the circular saw blade is adjustable to said foot through a range of bevel angles, said bevel angle adjustment detent mechanism including a detent holding assembly carrying a pivotable bevel angle detent with a pivot axis on one end portion and a transverse ridge spaced from said pivot axis, and an arcuate member defining a plurality of spaced bevel angle recesses, each matingly and releasably engageable with said transverse ridge of said bevel angle detent to provide predetermined bevel angle settings within said range of bevel angles, said detent being disengaged from a recess responsive to a releasing force being applied to said foot; and

a saw blade depth adjustment detent mechanism pivotally interconnecting said foot to said housing such that the circular saw blade is adjustable to said foot through a range of saw blade depths relative to said foot, said saw blade depth adjustment detent mechanism including a saw blade depth detent having a pivot axis on one end portion and a transverse ridge spaced from said pivot axis, said end with said transverse ridge being biased toward a second member having a plurality of spaced saw blade depth

recesses, each recess being matingly and releasably engageable with said transverse ridge of  
said saw blade depth detent to ~~resist vertical movement of said depth detent mechanism in~~  
~~either direction and~~ thereby provide a plurality of predetermined saw blade depth settings  
within said range of saw blade depths, said detent being disengaged from a recess responsive  
to a releasing force being applied to said foot.

13. (Previously presented) A circular saw comprising:

a housing;

a motor disposed within said housing and configured for rotating a circular saw  
blade rotatably driven by said motor;

a foot;

a bevel angle adjustment detent mechanism pivotally interconnecting said foot  
to said housing such that the circular saw blade is adjustable to said foot through a range of  
bevel angles, said bevel angle adjustment detent mechanism including a detent holding  
assembly carrying a bevel angle detent and an arcuate member defining a plurality of spaced  
bevel angle recesses each matingly engageable with said bevel angle detent to provide  
predetermined bevel angle settings within said range of bevel angles; and

a saw blade depth adjustment detent mechanism pivotally interconnecting said  
foot to said housing such that the circular saw blade is adjustable to said foot through a range  
of saw blade depths relative to said foot, said saw blade depth adjustment detent mechanism

including a saw blade depth detent with a second member having a plurality of spaced saw blade depth recesses, each recess being matingly engageable with said saw blade depth detent to provide predetermined saw blade depth settings within said range of saw blade depths,

wherein said bevel angle detent is a generally L-shaped member having a first end configured for engaging said plurality of spaced bevel angle recesses and a notched second end adjacent said foot.

14. (Original) The circular saw of claim 13 wherein said detent holding assembly includes a mounting bracket engageable with a locking lever configured for locking said mounting bracket at a bevel angle upon a rotation of said housing relative to said foot.

15. (Original) The circular saw of claim 14 wherein said mounting bracket has a manual override leaf spring configured for engaging said notched second end of said bevel angle detent so as to prevent said bevel angle detent from matingly engaging said plurality of spaced bevel angle recesses.

16. (Original) The circular saw of claim 15 wherein said notched second end has two notches, and wherein one of said two notches is adjacent said mounting bracket and configured for disengaging said bevel angle detent from said arcuate member.

17. (Original) The circular saw of claim 14 wherein said detent holding assembly includes a quadrant bracket in operational relationship with said mounting bracket and said locking lever.

18. (Original) The circular saw of claim 17 wherein said quadrant bracket includes said plurality of spaced bevel angle recesses defining said range of bevel angles, and wherein said range of bevel angles includes 0, 15, 22.5, 30, 45, and 50 degrees.

19. (Original) The circular saw of claim 14 further comprising an axial member connected to said mounting bracket and having said bevel angle detent rotatably mounted thereto.

20. (Original) The circular saw of claim 12 further comprising a spring for biasing said bevel angle detent toward said arcuate member.

21. (Currently amended) A circular saw comprising:

a housing;

a motor disposed within said housing and configured for rotating a circular saw blade rotatably driven by said motor;

a foot having a generally flat bottom surface;

a saw blade depth adjustment detent mechanism pivotally interconnecting said foot to said housing such that the circular saw blade is adjustable to said foot through a range of saw blade depths relative to said foot, said saw blade depth adjustment detent mechanism including a first member pivotable about a pivot axis on one end portion and a transverse ridge spaced from said pivot axis, wherein said ridge is aligning  
~~a saw blade depth detent~~ biased toward a second member defining a plurality of spaced saw blade depth recesses, ~~each matingly engageable with said saw blade depth detent to resist vertical movement of said depth detent mechanism in either direction and~~ each recess being matingly engageable with said transverse ridge of said first member to thereby provide a plurality of predetermined saw blade depth settings within said range of saw blade depths, and said transverse ridge being disengaged from a recess responsive to a releasing force being applied to said foot; and

a bevel angle adjustment detent mechanism pivotally interconnecting said foot to said housing such that the circular saw blade is adjustable to said foot through a range of bevel angles, said bevel angle adjustment detent mechanism including a detent



holding assembly carrying a pivotal bevel angle detent having a pivot axis on one end  
portion and a transverse ridge spaced from said pivot axis, said end with said transverse ridge  
being biased toward~~and~~ an arcuate member defining a plurality of spaced bevel angle  
recesses, each recess being matingly engageable with said transverse ridge of said bevel  
angle detent to provide predetermined bevel angle settings within said range of bevel angles,  
said transverse ridge being disengaged from a recess responsive to a releasing force being  
applied to said foot.

22. (Withdrawn) A circular saw comprising:

a housing;

a motor disposed within said housing and configured for rotating a  
circular saw blade rotatably driven by said motor;

a foot;

a bevel angle adjustment detent mechanism pivotally interconnecting  
said foot to said housing such that the circular saw blade is adjustable to said foot through a  
range of bevel angles, said bevel angle adjustment detent mechanism including a detent  
holding assembly carrying a bevel angle detent biased toward an arcuate member defining a  
plurality of spaced bevel angle recesses each matingly engageable with said bevel angle  
detent to provide predetermined bevel angle settings within said range of bevel angles.

23. (Withdrawn) The circular saw of claim 22 further comprising a bracket connected to said housing and having multiple spring connecting positions to provide a range of spring tensions for biasing said bevel angle detent against said arcuate member.

24. (Withdrawn) The circular saw of claim 22 further comprising a spring for biasing said bevel angle detent toward said arcuate member.

25. (Withdrawn) The circular saw of claim 22 wherein said bevel angle detent is a generally L-shaped member having a first end configured for engaging said plurality of spaced bevel angle recesses and a notched second end adjacent said foot.

26. (Withdrawn) The circular saw of claim 25 wherein said detent holding assembly includes a mounting bracket engageable with a locking lever configured for locking said mounting bracket at a bevel angle upon a rotation of said housing relative to said foot.

27. (Withdrawn) The circular saw of claim 26 wherein said mounting bracket has a manual override leaf spring configured for engaging said notched second end of said bevel angle detent so as to prevent said bevel angle detent from matingly engaging said plurality of spaced bevel angle recesses.

28. (Withdrawn) The circular saw of claim 27 wherein said notched second end has two notches, and wherein one of said two notches is adjacent said mounting bracket and configured for disengaging said bevel angle detent from said arcuate member.

29. (Withdrawn) The circular saw of claim 26 wherein said detent holding assembly includes a quadrant bracket in operational relationship with said mounting bracket and said locking lever.

30. (Withdrawn) The circular saw of claim 29 wherein said quadrant bracket includes said plurality of spaced bevel angle recesses defining said range of bevel angles, and wherein said range of bevel angles includes 0, 15, 22.5, 30, 45, and 50 degrees.

31. (Withdrawn) The circular saw of claim 26 further comprising an axial member connected to said mounting bracket and having said bevel angle detent rotatably mounted thereto.